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COMMUNICATION NETWORK, OPTICAL  
TRANSMITTER, OPTICAL RECEIVER AND  
COMMUNICATION METHOD

## Abstract:

**PROBLEM TO BE SOLVED:** To provide improved wavelength division multiplexing processing in a passive optical network.

**SOLUTION:** An optical line termination(OLT) device 12 generates a plurality of optical signals, having different wavelength bands to carry data and applies wavelength division multiplexing to the optical signals. In order to receive the optical signal subject to wavelength division multiplexing, a plurality of optical network units(ONU)  
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